

## Product datasheet for TP301219

### Pumilio 1 (PUM1) (NM\_014676) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human pumilio homolog 1 (Drosophila) (PUM1), transcript variant 2, 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC201219 protein sequence  
Red=Cloning site Green=Tags(s)

MSVACVLKRKAVLWQDSFSPHLKHHPQEPANPNMPVWLTSQTGSQAQPQPAANQALAAGTHSSPVPGSIG  
VAGRSQDDAMVDYFFQRQHGEQLGGGGSGGGGYNNSKHRWPTGDNIAEHQVRSMDLNHDFQALALEGR  
AMGEQLLPGKKFWETDESSKDGPKGIFLGDQWRDSAWGTS DHSVSQPIMVQRRPQGSFHVNSEVNSVLSP  
RSESGGLGVSMVEYVLS SSPGDSCLRKGGFGPRDADSDENDKGEKKNKGTDFDGDKLDLKEEGDVM DKTN  
GLPVQNGIDADVDFSRTPGNCQNSANEVDLLGPNQNGSEGLAQLTSTNGAKPVEDFSNMESQSVPLDPM  
EHVGM EPLQFDYSGTQVPVDSAAATVGLFDYNSQQQLFQRPNALAVQQLTAAQQQYALAAAHQPHIGLA  
PAAFPNPYIISAAPPGTDPYTAGLAAAATLGPVAVPHQYYGVTPWGVYPASLFQQQAAAAAATNSANQ  
QTTPQAQQGQQVLRGGASQRPLTPNQNGQQQT DPLVAAA AVNSALAFGGGLAAGMPGYPVLAPAAYYD  
QTGALVNAGARNGLGAPVRLVAPAPVISSSAAQA AVAAAAASANGAAGGLAGTTNGPFRPLGTQQPQP  
QPQQQPNNNLSSSFYGNNSLNSNSQSSSLFSQGSAPANTSLGFGSSSLGATLGSALGGFGTAVANSN  
TGSGSRRD SLTGSSDLYKRTSSSLTPIGHSFYNGLSFSSSPGPVGMPLPSQGP GHSQTPPPSLSSHGSSS  
SLNLGGLTNGSGRYISAAPGAEAKYRSASSASSL FSPSSTLFSSSRLRYGMSDVMPSGRSRLLEDFRNNR  
YPNLQLREIAGHIMEFSQDQHGSRFIQLKLERATPAERQLVFNEILQAAYQLMVDVFGNYVIQKFFEFGS  
LEQKLALAEIRIGHVLSLALQMYGCRVIQKALEFIPSDQQNEMVRELDGHVLCVKDQNGNHVWQKCI EC  
VQPQSLQFIIDAFKGVFALSTHPYGCRVIRILEHCLPDQTLPILEELHQHTEQLVQDQYGNVVIQHV L  
EHGRPEDKSKIVAEIRGNVLSQHKFASN VVEKCVTHASRTERAVLIDEVCTMNDGPHSALYTM MKDQY  
ANYVVQKMIDVAEPGQRKIVMHKIRPHIATLRKYTYGKHILAKLEKYYMKNGVDLGPICGPPNGII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

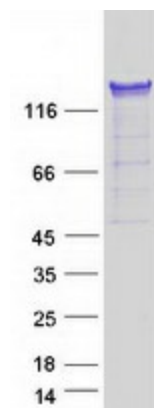
**Tag:** C-Myc/DDK  
**Predicted MW:** 126.3 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_055491</a>
<b>Locus ID:</b>	9698
<b>UniProt ID:</b>	<a href="#">Q14671</a>
<b>RefSeq Size:</b>	5410
<b>Cytogenetics:</b>	1p35.2
<b>RefSeq ORF:</b>	3558
<b>Synonyms:</b>	HSPUM; PUMH; PUMH1; PUM1; SCA47
<b>Summary:</b>	This gene encodes a member of the PUF family, evolutionarily conserved RNA-binding proteins related to the Pumilio proteins of Drosophila and the fem-3 mRNA binding factor proteins of <i>C. elegans</i> . The encoded protein contains a sequence-specific RNA binding domain comprised of eight repeats and N- and C-terminal flanking regions, and serves as a translational regulator of specific mRNAs by binding to their 3' untranslated regions. The evolutionarily conserved function of the encoded protein in invertebrates and lower vertebrates suggests that the human protein may be involved in translational regulation of embryogenesis, and cell development and differentiation. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified PUM1 protein (Cat# TP301219). The protein was produced from HEK293T cells transfected with PUM1 cDNA clone (Cat# [RC201219]) using MegaTran 2.0 (Cat# [TT210002]).